FORM PTO		ATTORNEY'S DOCKET NUMBER				
(REV 10-20 T	RANSMITTAL LETTER TO THE UNITED STATES	17081/008001				
] ^	DESIGNATED/ELECTED OFFICE (DO/EO/US)	U.S. APPLICATION O. FLEW (1877 OR 18) 2				
	CONCERNING A FILING UNDER 35 U.S.C. 371					
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/KR02/02399 20 December 2002 15 March 2002						
TITLE	OF INVENTION APPARATUS AND METHOD FOR MANUFACTU					
	SEMISOLID RAPID TOOLING					
APPLIC	APPLICANT(S) FOR DO/EO/US Koo-Dong Kim et al.					
Applican	Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. x	1. x This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.					
2.	2. This is a SECOND or SUBSEQUENT submission of items concerning a filing 35 U.S.C. 371.					
3. 🗙	3. x This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.					
4. x	4. x The US has been elected (Article 31).					
5. x	5. X A copy of the International Application as filed (35 U.S.C. 371 (c)(2))					
a.	a. is attached hereto (required only if not communicated by the International Bureau).					
b.	b. x has been communicated by the International Bureau.					
c.	is not required, as the application was filed in the United States Recei	ving Office (RO/US).				
6. x	An English language translation of the International Application as filed	(35 U.S.C. 371 (c)(2)).				
a.	x is attached hereto.	·:				
Ъ.	has been previously submitted under 35 U.S.C. 154(d)(4).					
7.	Amendments to the claims of the International Application under PCT A	rticle 19 (35 U.S.C. 371 (c)(3))				
a.	are attached hereto (required only if not communicated by the Interna	tional Bureau).				
ъ.	b. have been communicated by the International Bureau.					
с.	c. have not been made; however, the time limit for making such amendments has NOT expired.					
d.	d. have not been made and will not be made.					
8.	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).					
9. x	9. X An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).					
10. x An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).						
Items 1	to 20 below concern document(s) or information included:					
11.	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.					
12. x	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.					
13.	13. A preliminary amendment.					
14. x	14. x An Application Data Sheet under 37 CFR 1.76.					
15.	15. A substitute specification.					
16.	A power of attorney and/or change of address letter.					
17.	A computer-readable form of the sequence listing in accordance with PC	Γ Rule 13 <i>ter</i> .2 and 37 CFR 1.821 - 1.825.				
18. x	18. x A second copy of the published international application under 35 U.S.C. 154(d)(4).					
19.	19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).					
20. x Other items or information: Copy of International Search Report; Return Receipt Postcard						
1						

U.S. APPLICATION O. GALDON	ATTORNEY'S DOCKET NUMBER 17081/008001					
21. x The following	CALCULATIONS PTO USE ONLY					
BASIC NATIONAL FI X Neither international sea and International prelimi USPTO but Internati International prelimi but international prelimi but all claims did no International prelimi and all claims satisfi ENTER	\$ 1,080.00					
Surcharge of \$130.00 for from the earliest claimed			0 months	\$		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total claims	22-22 =		x	\$ 0.00		
Independent claims	2-3 =		х	\$ 0.00		
MULTIPLE DEPENDE	NT CLAIM(s) (if appli	cable)	+	\$		
		L OF ABOVE CALC		\$. 1,080.00		
Applicant claims so are reduced by ½.	mall entity status. See	37 CFR 1.27. The fees	indicated above	\$ 540.00		
are reduced by 72.		S	UBTOTAL =	\$ 540.00	1	
Processing fee of \$130.0 from the earliest claimed			an 30 months	\$		
		TOTAL NATION	ONAL FEE =	\$ 540.00		
Fee for recording the enclose accompanied by an app				\$ 40.00		
		TOTAL FEES E	NCLOSED =	\$ 580.00		
	Amount to be refunded:	S				
				charged:	s	
a. A check in the amount of \$ to cover the above fees is enclosed.						
l LJ	my Deposit Account N		in the amount	of \$		
to cover the at	ove fees. A duplicate	copy of this sheet is end	losed.			
c. x The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0591 . A duplicate copy of this sheet is enclosed. d. x Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.						
NOTE: Where an appropriate time limit under 37 CFR 1.495 has <u>not been</u> met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.						
SEND ALL CORRESPONDENCE TO:						
		Ā	GNATURE:			
		N	AME	Jonathan P. Osha	_	
CUSTOMER NUMBER: 22511 33,986						
REGISTRATION NUMBER						

_ (Toni A. Hill)

DT04 Rec'd PCT/PTO 1 5 SEP 2004

PT0/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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PPP TDANGETTA			Complete if-Known - 0 7 0 7					
FEE TRANSMITTAL	•	Applic	ation	Numbe		Not YeLA		71
for EV 2004		7 (ppiloditori 11dilloci				Concurre	ntly Herewith	
for FY 2004		First Named Inventor			itor	Koo-Dong Kim		
Effective 10/01/2003. Patent fees are subject to annual revision.		Examiner Name				Not Yet Assigned		
X Applicant claims small entity status. See 37 CFR 1.27		Art Unit				N/A		
TOTAL AMOUNT OF PAYMENT (\$) 580.00				cket No	<u> </u>	17081/00	8001	
METHOD OF PAYMENT (check all that apply)	T		-, 50			ATION (co		
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Deposit Account:	Large	DDITIO	Smal	Entity	-			
Account Number 50-0591	Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Desc	ription	Fee Paid
Deposit Account Osha & May L.L.P.	1051	130	2051	65	Surcharge -	- late filing fe	e or oath	
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge - sheet.	- late provisio	nal filing fee or cover	
Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130		specification	n	
	1812		1812		-	·	parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1			920*	•		f SIR prior to	
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804		Examiner a	ction	·	
to the above-identified deposit account.	1805	1,840*	1805	-	Examiner a			
FEE CALCULATION	1251	110	2251			or reply within		
1. BASIC FILING FEE	1252 1253	420 950	2252 2253	210			second month	
Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid	1253	1,480	2253	475 740			n third month n fourth month	
Code (\$) Code (\$)	1254		2254					
1001 770 2001 385 Utility filing fee 1002 340 2002 170 Design filing fee	1401	330	2401	1,005	Notice of Ap	or reply within opeal	i mai monat	
1003 530 2003 265 Plant filing fee	1402	330	2402	165		f in support o	f an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for	oral hearing		
1005 160 2005 80 Provisional filing fee	1451	•	1451			•	lic use proceeding	
SUBTOTAL (1) (\$) 0.00	1452		2452	55 665		evive – unav		<u> </u>
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Fee from	1502	•	2502	240	Design issue	,	.··,	
Claims below Fee Pald Total Claims 22 -22** = x = 0.00	1502		2502	320	Plant issue			<u> </u>
ndependent 2 -3** = x = 0.00	1460	130	1460	130		the Commiss	sioner	
Claims 2 -3 -	1807	50	1807	50			CFR 1.17(q)	
	1806	180	1806	180	-		n Disclosure Stmt	
arge Entity Small Entity Fee Fee Fee Fee Fee Description	8021	40	8021	40	Recording e	ach patent a	ssignment per	40.00
code (\$) Code (\$)	1						of properties) final rejection	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	(37 CFR 1.1	(29(a))		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385		Iditional inver 37CFR 1.129		
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	Request for	Continued E	xamination (RCE)	
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 Other		1802	900 2611	of a design	expedited ex application not ISA or IPE		540.00
	1	fee (spe						
SUBTOTAL (2) (\$) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 580.00								
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Jonathan P. Osha		ration No		,986			(713) 228-8600	
	(Attorn	ey/Agent)		,,,,,,,,			`	
Signature (Date	September 15,	2004
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 526 069 24205 in an envelope addressed to: Commissioner for Patents-P.O. Box 1450. Alexandra, VA 22313-1450, on the date shown below.								

Signature:

Dated: September 15, 2004

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 17081/008001

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September 15, 2004

Signature
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Transmittal Letter to the United States Designated-Elected Office

10/507972 OT12 Rec'd PCT/PTO 1 5 SEP 2004

Application No. (if known): 10/168,261	Attorney Docket No.: 04422/00200
Application No. (if known): 10/168,261	Attorney Docket No.: 04422/0020

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each submitted paper.

Note:

Declaration (Korean Language)

_	5.07.1004.011.10 1 3 0
Application No. (if known):	Attorney Docket No.: 17081/008001
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Application Data Sheet	